

Online Accessibility

Jaiden and Julian

“We cannot account for every need that every person will ever have. Accessibility is a promise, not a guarantee. It’s a speculative practice.”

Carolyn Lazard, Accessibility in the Arts

Accessibility on the Web

Designing for Screen Readers

- Alt text and image descriptions
 - Also helpful for SEO
 - Null alt text for decorative images
 - **Fewer than 1% of images online are described**
- HTML Semantics
- Including blind and low-vision users in the design process



Color Contrast

- People with low vision or color blindness rely on high-contrast text for readability.
- Avoid color-dependent information.
- Avoid text over busy backgrounds.

Bad Contrast

Contrast Ratio: 1.12:1

Bad Contrast

Contrast Ratio: 3.72:1

Bad Contrast

Contrast Ratio: 4.41:1

Good Contrast

Contrast Ratio: 5.24:1

Good Contrast

Contrast Ratio: 13.9:1

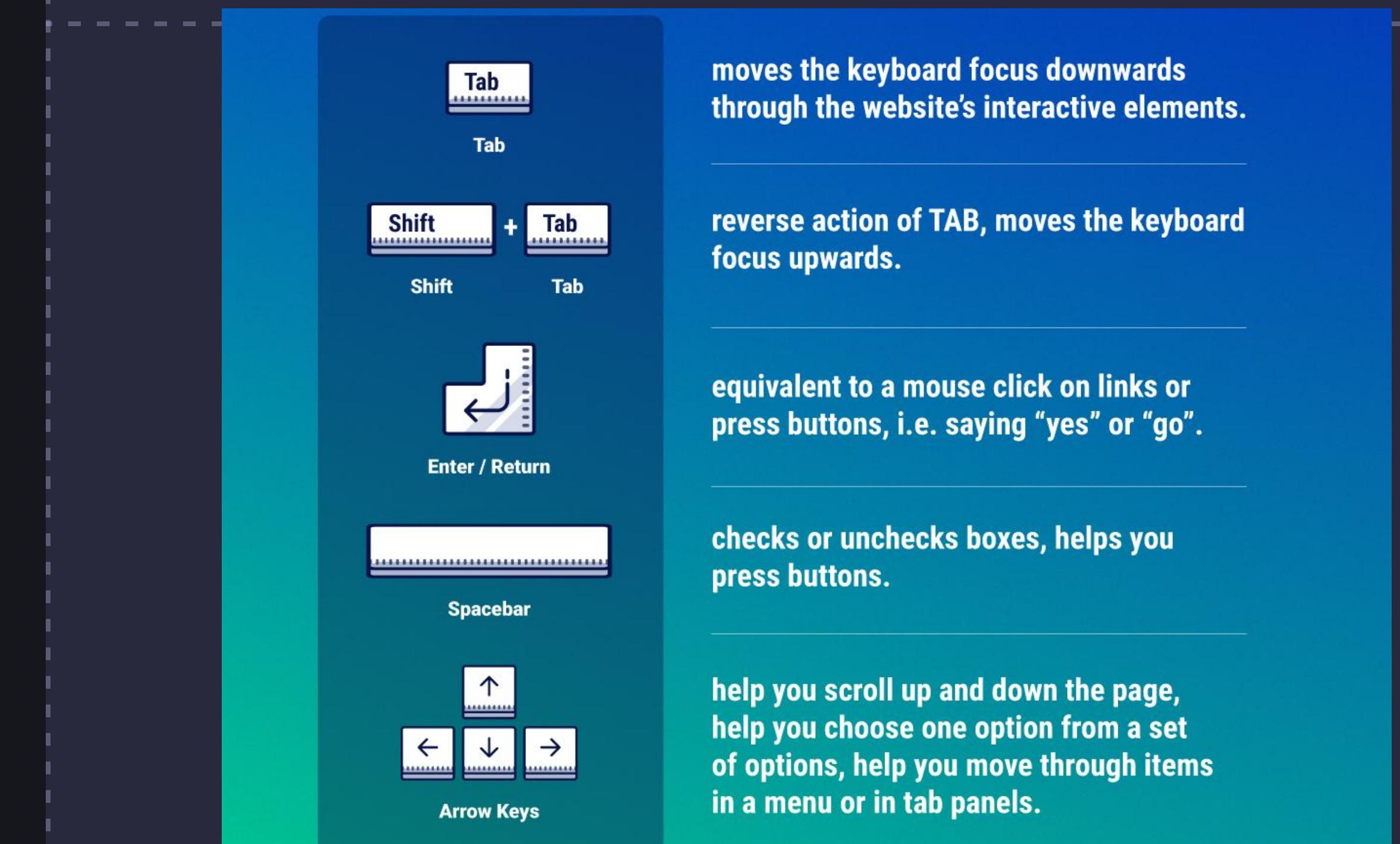
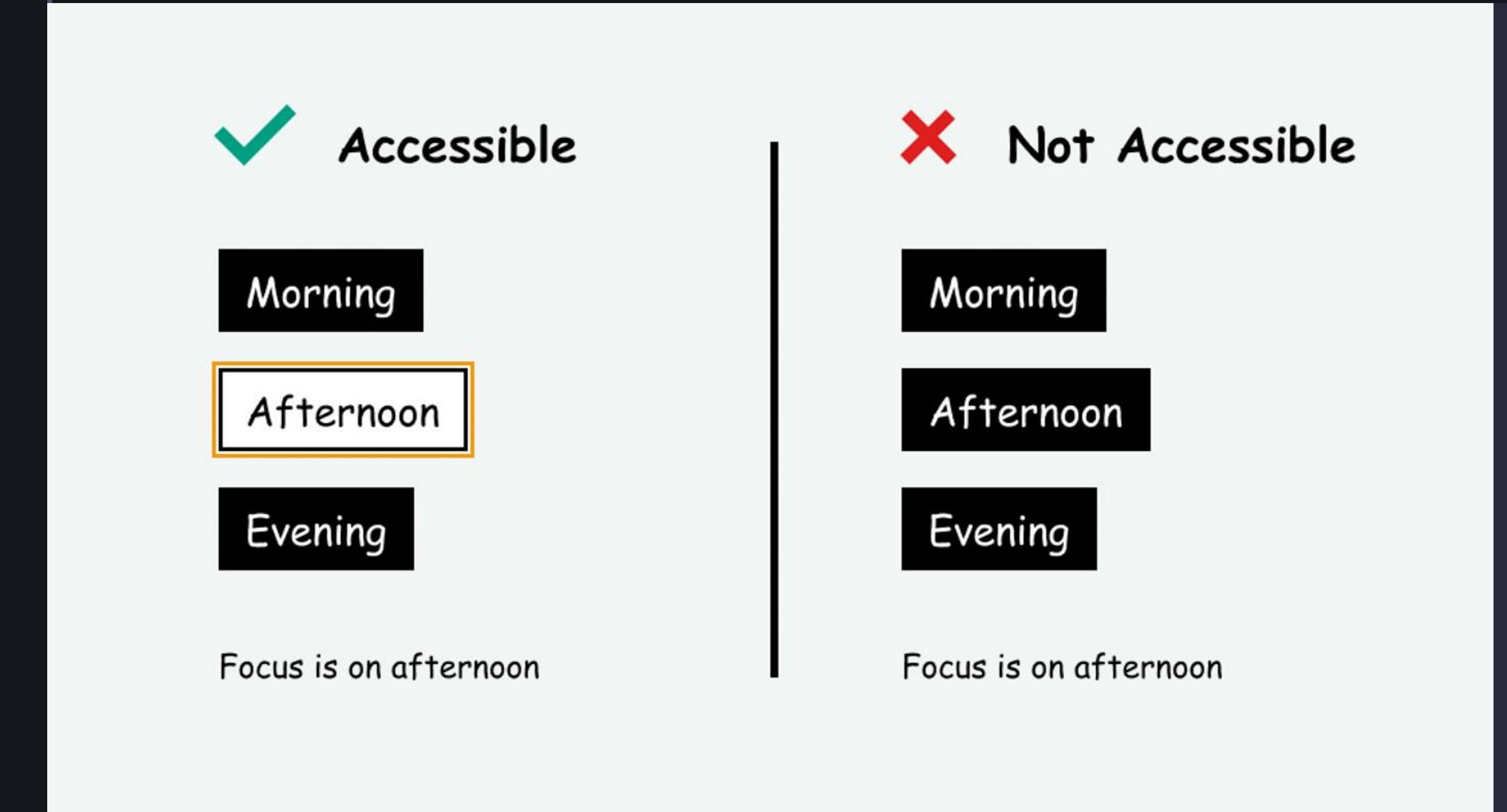
Good Contrast

Contrast Ratio: 21:1

ACCESSIBILITY ON THE WEB

Web Navigation

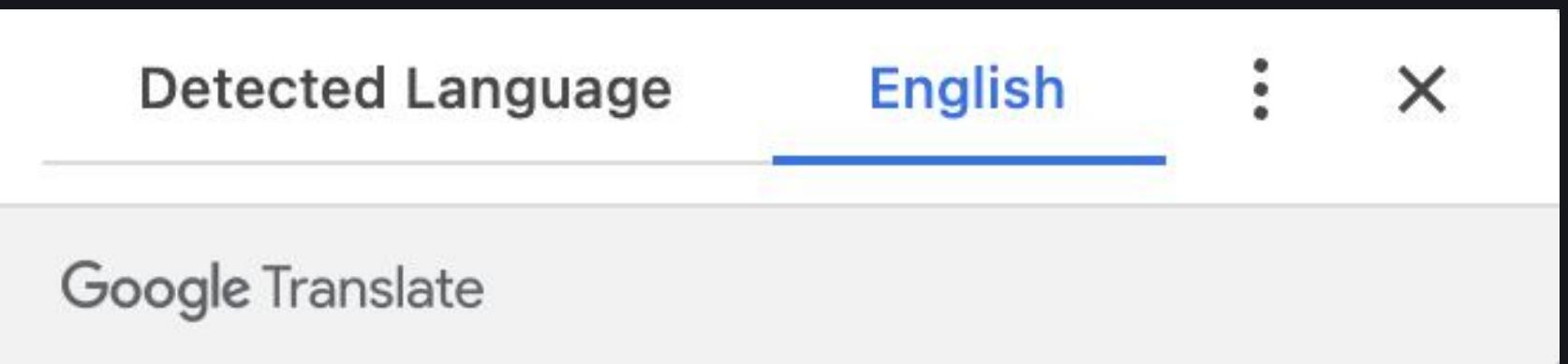
- Ensure all interactive elements can be accessed without a mouse.
- Highlight where the user is on the page.
- Don't use complex menus.



ACCESSIBILITY

Language Tools

- Real-time text translation by Google
- Simplified language mode—e.g. for aphasia
- TTS in multiple languages
- Pronunciation and definition tools



Easy english

(aphasia friendly)

Easy English presents web pages in simple language where possible. This means shorter words and sentences. It also makes the text size bigger to help you read.

Standard english

Standard English presents web pages in more complex and detailed language. Text size will not change. You can always switch to Easy English later.

OR

Pick and choose your accessibility settings

mposium

kickoff January 25

Working in groups of two, pick a **topic** from the **list**. Do some research. Focus your interest on a specific topic or application.

topic

A matter dealt with in a text, discourse, or conversation; a subject.

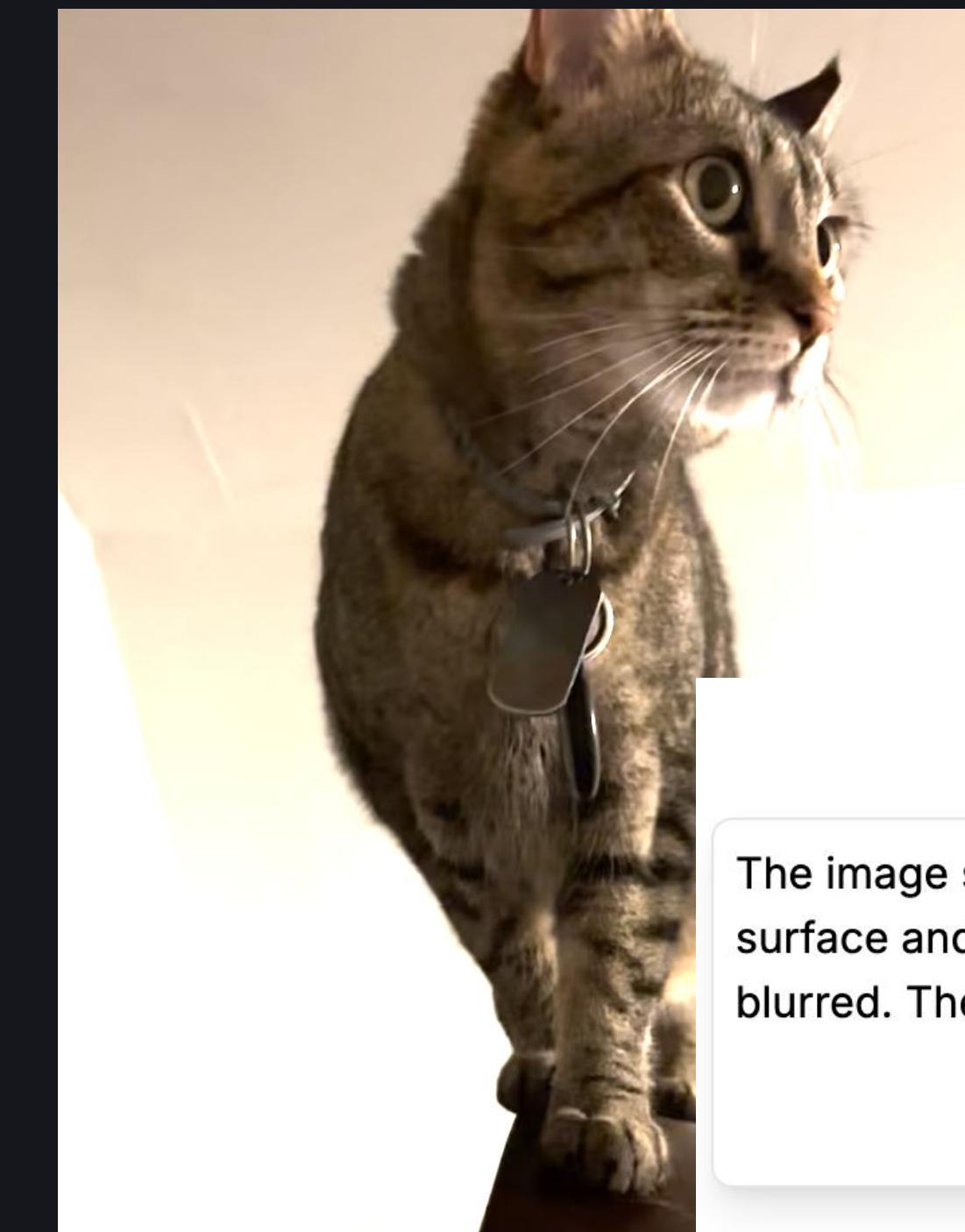
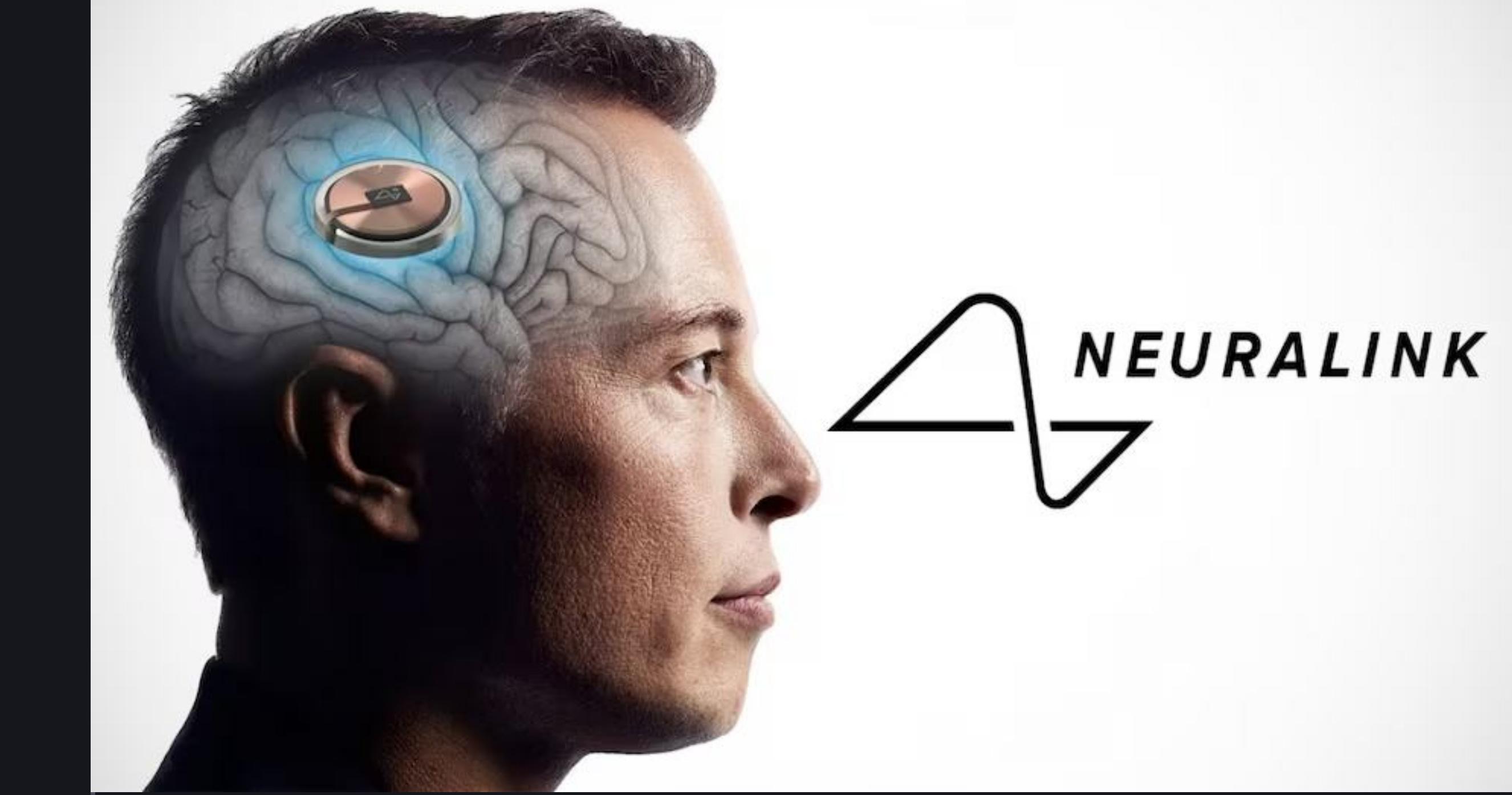
More »

Learn about current web technologies

ACCESSIBILITY

Current Innovations

- Brain-computer interface for quadriplegics
- AI for real-time image description
- Voice-controlled navigation



273 characters · 46 words · Formal · English

1. A cat perched on a chair, showcasing its curious demeanor and playful stance.
2. A cat standing confidently on a chair, highlighting its playful nature and inquisitive spirit.
3. A cat in a standing position on a chair, embodying curiosity and a sense of exploration.

Image describe result

The image shows a tabby cat with a collar and a tag standing on a brown surface and looking to the right. The cat is in focus, and the background is blurred. The cat appears to be alert and curious.

Play

Copy

Accessibility in Art

ACCESSIBILITY IN ART

Making Existing Art Accessible

- Touch exhibits in museums
- Sensory-friendly performances
- Sign language interpretation



Accessibility as Art

- Sign Gene: captions as a part of the art
- Increased use of captions in online spaces such as Tiktok and Youtube



Our Proposal

Web Access Toolkit

Off Bionic reading

On Paragraph focus

Off Accessible font

Off Large font

Off Low-contrast colors

Off Disable autoplay

Off Hide images

OUR PROPOSAL

Bionic Reading

- Said to improve reading speed for people with ADHD
- Mixed support, anecdotal evidence

Reading As before

Bionic Reading is a new method facilitating the reading process by guiding the eyes through text with artificial fixation points. As a result, the reader is only focusing on the highlighted initial letters and lets the brain center complete the word. In a digital world dominated by shallow forms of reading, Bionic Reading aims to encourage a more in-depth reading and understanding of written content.

Reading mode Bionic Reading (variation)

Bionic Reading is a new method facilitating the reading process by guiding the eyes through text with artificial fixation points. As a result, the reader is only focusing on the highlighted initial letters and lets the brain center complete the word. In a digital world dominated by shallow forms of reading, Bionic Reading aims to encourage a more in-depth reading and understanding of written content.

OUR PROPOSAL

Paragraph focus

- Limits distractions while reading
- Breaks up large blocks of text

(Top)

- > Signs and symptoms
- > Comorbidities
- > Causes
- > Pathophysiology
- > Diagnosis
- > Management
- Prognosis
- Epidemiology
- History
- > Research directions
- See also
- References
- Further reading
- External links

Attention deficit hyperactivity disorder (ADHD)^[4] is a neurodevelopmental disorder characterized by **executive dysfunction** occasioning symptoms of **inattention**, hyperactivity, **impulsivity** and **emotional dysregulation** that are excessive and pervasive, impairing in multiple contexts, and **developmentally-inappropriate**.^[10]

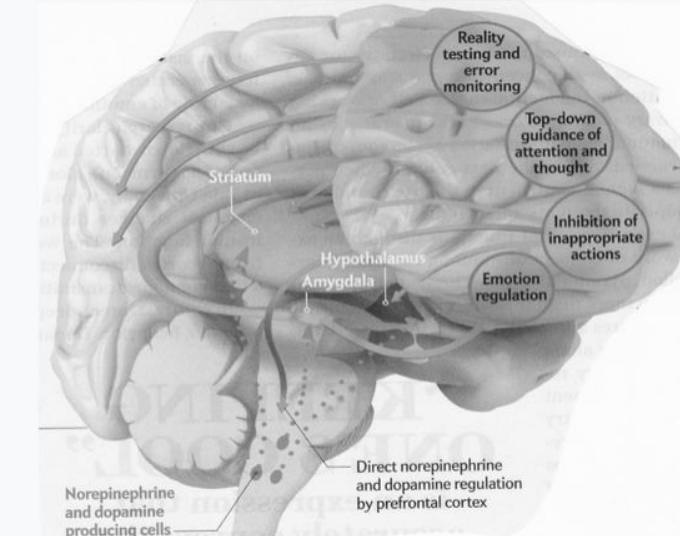
ADHD symptoms arise from executive dysfunction,^[19] and emotional dysregulation is often considered a core symptom.^[23] Impairments resulting from deficits in self-regulation such as **time management**, **inhibition**, and **sustained attention**^[24] can include poor professional performance, relationship difficulties, and numerous health risks,^{[25][26]} collectively predisposing to a diminished quality of life^[27] and a direct average reduction in life expectancy of 13 years.^{[28][29]} The disorder costs society hundreds of billions of US dollars each year, worldwide.^[30] It is associated with other neurodevelopmental and **mental disorders** as well as non-psychiatric disorders, which can cause additional impairment.^[9]

While people with ADHD often struggle to initiate work and persist on tasks with delayed consequences, this may not be

[\(disambiguation\)](#), and [Hyperactive \(disambiguation\)](#).

Attention deficit hyperactivity disorder

Other names Formerly: Attention deficit disorder (ADD), hyperkinetic disorder^[1]



ADHD arises from maldevelopment in brain regions such as the **prefrontal cortex**, **basal ganglia** and **anterior cingulate cortex**, which regulate the executive functions necessary for human self-regulation.

Specialty Psychiatry · pediatrics

Symptoms Inattention · hyperactivity · disinhibition · executive dysfunction · emotional

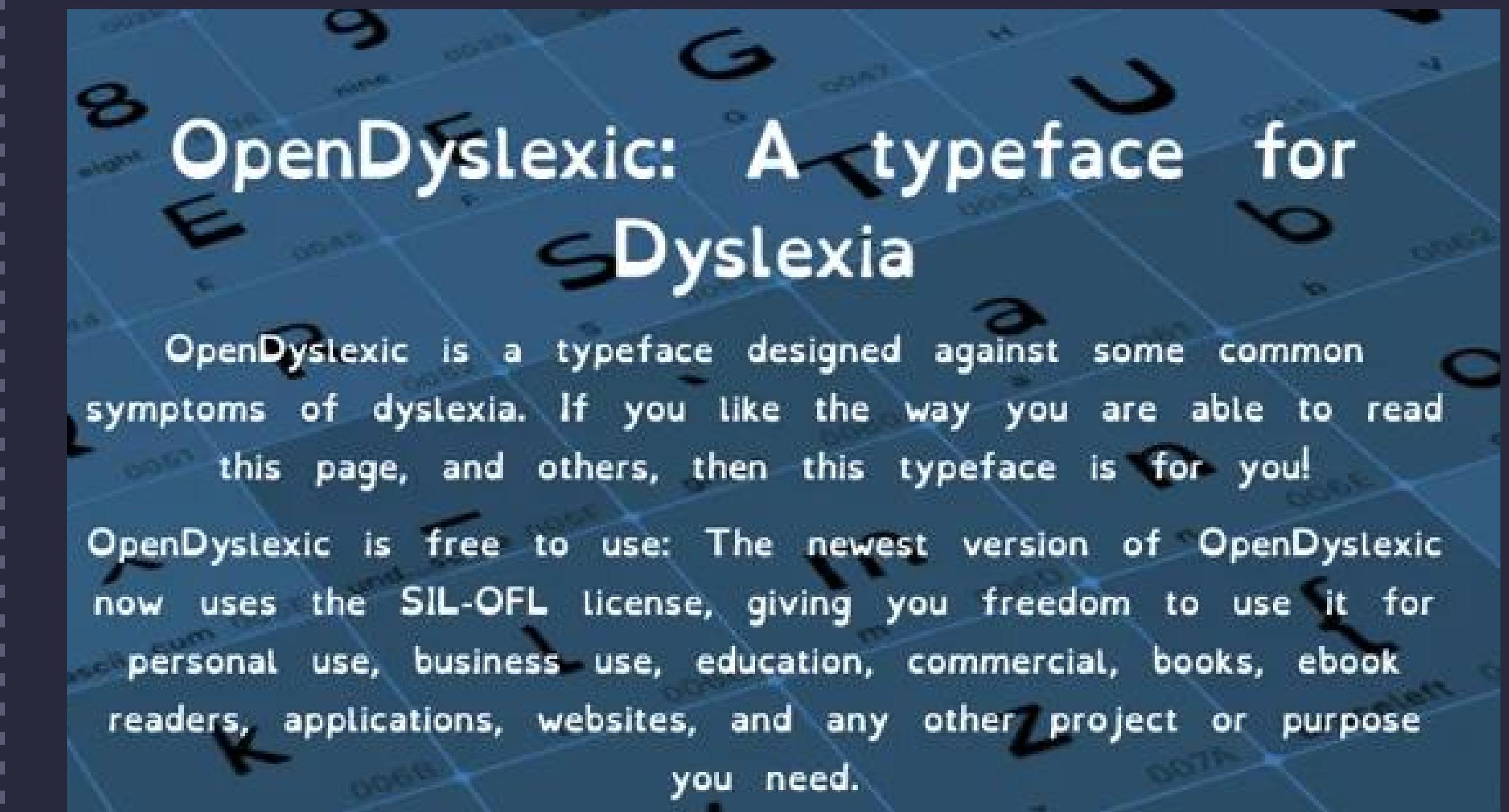
(Top)

- > Signs and symptoms
- > Comorbidities
- > Causes
- > Pathophysiology
- > Diagnosis
- > Management
- Prognosis
- Epidemiology
- History
- > Research directions
- See also
- References
- Further reading
- External links

ADHD symptoms arise from executive dysfunction,^[19] and emotional dysregulation is often considered a core symptom.^[23] Impairments resulting from deficits in self-regulation such as **time management**, **inhibition**, and **sustained attention**^[24] can include poor professional performance, relationship difficulties, and numerous health risks,^{[25][26]} collectively predisposing to a diminished quality of life^[27] and a direct average reduction in life expectancy of 13 years.^{[28][29]} The disorder costs society hundreds of billions of US dollars each year, worldwide.^[30] It is associated with other neurodevelopmental and **mental disorders** as well as non-psychiatric disorders, which can cause additional impairment.^[9]

Accessible font

- Sans serif fonts are generally more readable
- Accessible fonts include Arial, Comic Sans, Verdana
- Fonts that enhance character definition, e.g., ‘l’, ‘I’



OUR PROPOSAL

Low-Contrast Colors

- Bright, contrasting colors can overstimulating for autistic users
- Pastels or simply gray scale color schemes can be better

The screenshot shows the Yale School of Art website with a dark green header and footer. The main content area has a light yellow background. The title "YALE SCHOOL OF ART" is in large black letters. A sidebar on the left contains a navigation menu with links to Home, About the School, Apply to the School, Exhibitions, Publications, News, and Public Events. Below this is a "Pause animations" button with a play/pause icon. A text box in the center states: "The Yale School of Art is a **graduate school** that confers MFAs in Graphic Design, Painting/Printmaking, Photography, and Sculpture; and offers undergraduate-level art courses to Yale College students. Our website exists as an **ongoing collaborative experiment** in digital publishing and information sharing. It functions as a wiki—all members of the School of Art community have the ability to add new, and edit most existing content." To the right is a "QUICK LINKS" section with a yellow background and a plus sign icon.

This screenshot shows the same website layout but with a much lower contrast color scheme. The header and footer are a very light grey. The main content area has a white background. The title "YALE SCHOOL OF ART" is in large black letters. The sidebar and text box are also in black text on a white background. The "QUICK LINKS" section on the right is also in black text on a white background with a plus sign icon.

OUR PROPOSAL

Disable Autoplay

- Autoplaying content can be overwhelming, overstimulating, or distracting for many users

2 people rescued from house fire in New Haven

by: [Justin B. Jones](#)

Posted: Nov 2, 2024 / 10:58 PM EDT

Updated: Nov 2, 2024 / 11:01 PM EDT



SHARE



NEW HAVEN, Conn. (WTNH) — Two people were rescued from a burning residence in New Haven Saturday night, according to the Fire Department.

At 8:19 p.m. NHFD crews were called to 526 Howard Ave. When they arrived, crews found 2 rooms in the building on fire.

There were two occupants who were cut off from any exits by fire. Firefighters used ladders to rescue the people trapped inside.

No injuries were reported and the cause of the fire is currently under investigation.



SPONSORED BY LEXUS

The Lexus RX

[SEE MORE](#)

Copyright 2024 Nexstar Media Inc. All rights reserved. This material may not be published, broadcast, rewritten, or redistributed.

2 people rescued from house fire in New Haven

by: [Justin B. Jones](#)

Posted: Nov 2, 2024 / 10:58 PM EDT

Updated: Nov 2, 2024 / 11:01 PM EDT



SHARE



NEW HAVEN, Conn. (WTNH) — Two people were rescued from a burning residence in New Haven Saturday night, according to the Fire Department.

At 8:19 p.m. NHFD crews were called to 526 Howard Ave. When they arrived, crews found 2 rooms in the building on fire.

There were two occupants who were cut off from any exits by fire. Firefighters used ladders to rescue the people trapped inside.

No injuries were reported and the cause of the fire is currently under investigation.



SPONSORED BY LEXUS

The Lexus RX

[SEE MORE](#)

Copyright 2024 Nexstar Media Inc. All rights reserved. This material may not be published, broadcast, rewritten, or redistributed.

SPONSORED CONTENT



HALLOWEEN
SALE

SAVE
UP
TO
45%

Book now
enter code: TODAY
866-967-0399

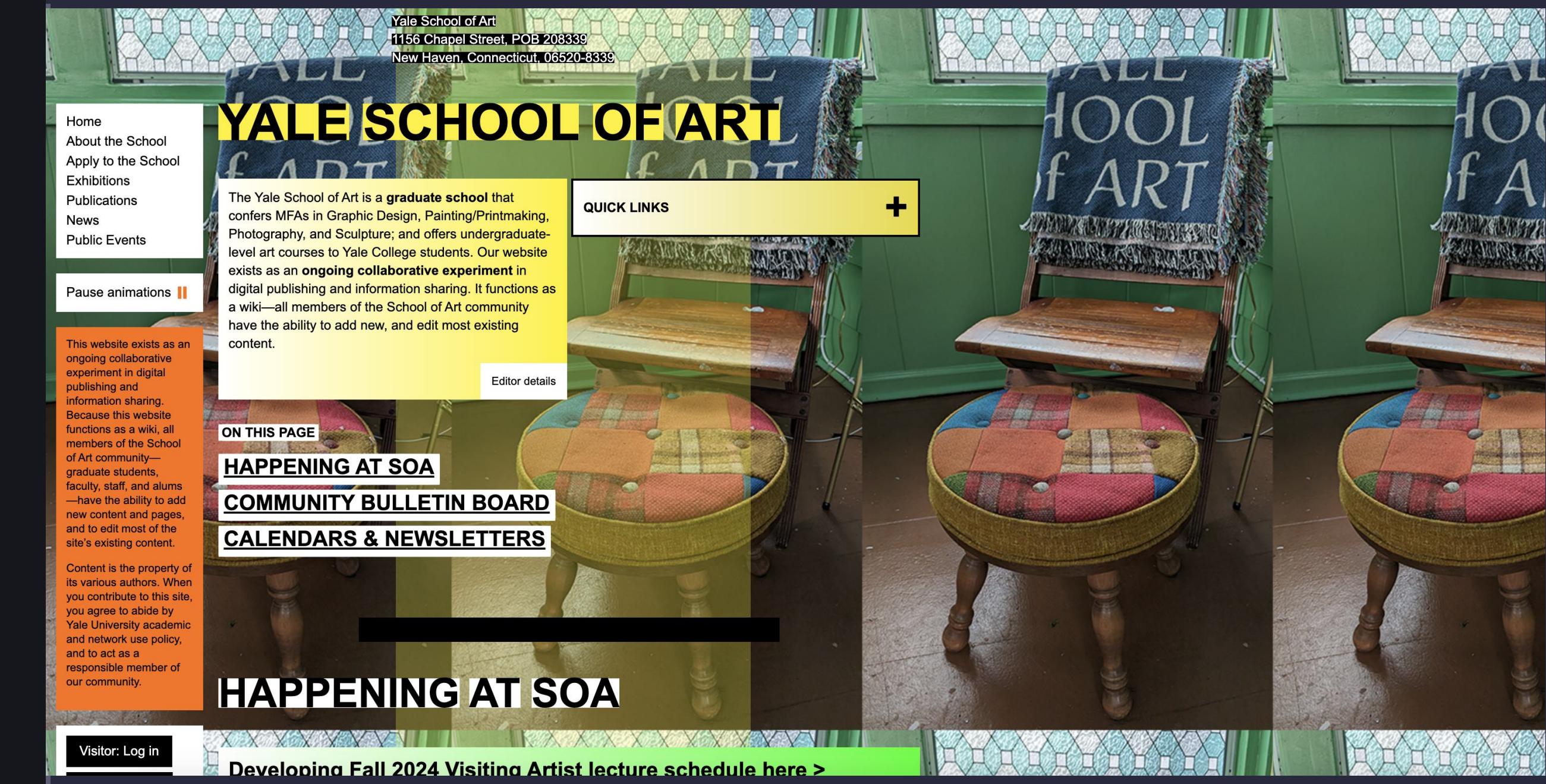


*Terms & conditions apply

OUR PROPOSAL

Hide Visuals

- Visual content, especially gifs, videos, and busy images, can be distracting or overstimulating
- This feature allows users to hide distracting visuals



YALE SCHOOL OF ART

The Yale School of Art is a graduate school that confers MFAs in Graphic Design, Painting/Printmaking, Photography, and Sculpture; and offers undergraduate-level art courses to Yale College students. Our website exists as an ongoing collaborative experiment in digital publishing and information sharing. It functions as a wiki—all members of the School of Art community have the ability to add new, and edit most existing content.

Editor details

ON THIS PAGE

[HAPPENING AT SOA](#)

[COMMUNITY BULLETIN BOARD](#)

[CALENDARS & NEWSLETTERS](#)

HAPPENING AT SOA

[Developing Fall 2024 Visiting Artist lecture schedule here >](#)

[Spring 2024 archive >](#)

SOURCES

Bureau of Internet Accessibility: How to Make Your Website More Accessible for People with ADHD

<https://www.boia.org/blog/how-to-make-your-website-more-accessible-for-people-with-adhd>

Perkins School for the Blind: How to Write Alt Text and Image Descriptions for the Visually Impaired

<https://www.perkins.org/resource/how-write-alt-text-and-image-descriptions-visually-impaired/>

Digital Accessibility for All - Web Design for Autism

<https://overlayfacts.org/blog/digital-accessibility-web-design-for-autism/>

Alt Text as Poetry

<https://alt-text-as-poetry.net/>

Chancey Fleet - Dark Patterns in Accessibility Tech

<https://datasociety.net/library/dark-patterns-in-accessibility-tech/>

Accessibility in the Arts: A Promise and a Practice

<https://promiseandpractice.art/>

Eye on Design: In Web Design, Accessibility Shouldn't Be an Afterthought

<https://eyeondesign.aiga.org/in-web-design-accessibility-shouldnt-be-an-afterthought/>